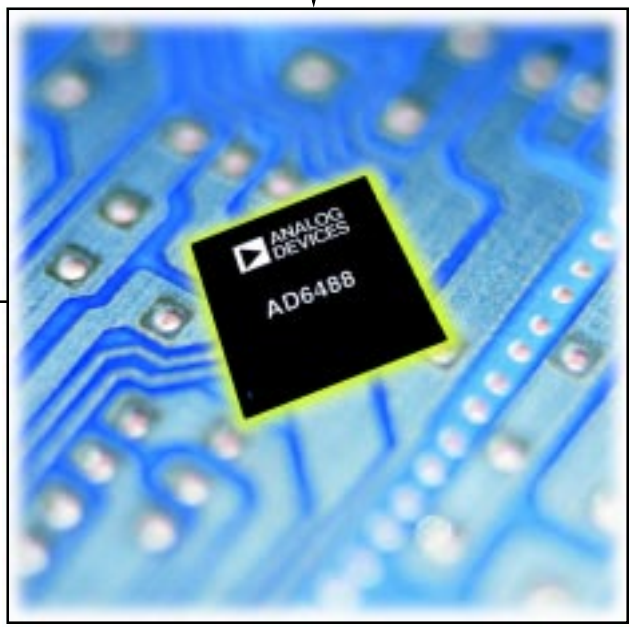
AD6488 - ADSL2+ CPE Analog Front End



The AD6488 AFE enables communication devices to operate at higher data rates as specified in the new ADSL2+ standard

Features

- AFE for Current and Next Generation ADSL/ADSL2+ CPE
- Enhanced downstream performance up to 24 Mbps for ADSL2+
- Compliant with G.992.1 (Annex A, B, C, I, J) G.992.2, T1.413 Issue 2, TR-048, ETSI ETR328
- G.992.3, G.992.4 compliant for ADSL2
- G.992.5 compliant for ADSL2+
- Includes Transmit and Receive Signal Paths
- Directly connects to the entire line of ADI CPE ADSL and Network Processors
- Compact 64 Pin LFCSP
- On-chip voltage regulators
- Preliminary datasheet available
- Commercial temperature range
- Interfaces to 3.3V or 5V digital logic

ADI offers the next generation AFE for ADSL , ADSL2 and ADSL2+ CPE Solutions.

AD6488 is a highly integrated Analog Front End (AFE) that continues the tradition of unparalleled integration, performance, and flexibility of the Eagle and Pathfinder family of CPE chipsets.

When coupled with Eagle or Pathfinder product families , this device performs all physical layer functions needed to implement standards-compliant Category 1 and Category 2 ADSL+ CPE modems. In addition it is qualified on the emerging ADSL2 standards now prominent in the industry.

Performance Without Rival

Built to sustain high performance in dominant global network topologies and TR-048, UR-2 requirement standards, the AD6488 employs patented technology resulting in unprecedented component integration. ADI's successful development methodologies offer the lowest component count ADSL modems in the market today or tomorrow.

By combining the line driver, receiver and line filtering components into the AFE, ADI has been able to reduce overall board component count dramatically, which translates to significant total cost savings. Customer value obtained from this includes reduction in modem design engineering time, shorter time to revenue, and reduced manufacturing costs. This family's reduced form factor provides OEM's with a variety of small and innovativc packaging options never available before.

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